



US006721398B1

(12) **United States Patent**
Pitcher

(10) **Patent No.:** **US 6,721,398 B1**
(45) **Date of Patent:** **Apr. 13, 2004**

(54) **UNIFIED MESSAGING SYSTEM**

(75) **Inventor:** **John Pitcher**, London (GB)

(73) **Assignee:** **Virtuaplus Limited**, London (GB)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** **09/344,761**

(22) **Filed:** **Jun. 25, 1999**

(30) **Foreign Application Priority Data**

Jun. 25, 1998 (GB) 9813766

(51) **Int. Cl.⁷** **H04M 1/64; H04Q 7/20**

(52) **U.S. Cl.** **379/88.13; 379/67.1; 379/88.17; 379/88.18; 379/88.22; 379/88.25; 455/412**

(58) **Field of Search** 379/67.1, 88.04, 379/88.13, 88.17, 88.22, 88.23, 88.18, 88.25, 88.27, 908, 68, 88.19; 455/412, 413, 414, 445, 461

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,509,061 A * 4/1996 Amereller et al. 379/207
5,608,786 A * 3/1997 Gordon 379/100
5,623,538 A * 4/1997 Petty 379/67.1
5,675,507 A * 10/1997 Bobo, II 364/514 R
5,742,905 A * 4/1998 Pepe et al. 455/461

5,751,792 A * 5/1998 Chau et al. 379/88.17
5,781,615 A * 7/1998 Bales et al. 379/88.18
5,915,001 A * 6/1999 Uppaluru 379/88.22
5,951,638 A * 9/1999 Hoss et al. 709/206
6,233,318 B1 * 5/2001 Picard et al. 379/88.17

FOREIGN PATENT DOCUMENTS

EP 0 560 111 A2 9/1993
EP 0 760 573 A2 3/1997
EP 0 820 181 A2 1/1998

* cited by examiner

Primary Examiner—Allan Hoosain

(74) *Attorney, Agent, or Firm*—Harness, Dickey & Pierce, P.L.C.

(57) **ABSTRACT**

A unified messaging system, comprising a plurality of nodes (100a–100f) and network means (103) for interconnecting said plurality of nodes for distributed operation, each node comprising means for receiving, storing and transmitting data, characterized in that an In-box having a predetermined logical location is reserved for each user, and data intended for a particular user is stored at the node at which it is received together with information indicating the logical location of the In-box of the user for which the data is intended, wherein the system is arranged such that said data can be retrieved at one or more other nodes in the system and such that all data bearing said predetermined logical location information is accessed when said user's In-box is accessed.

17 Claims, 1 Drawing Sheet

